

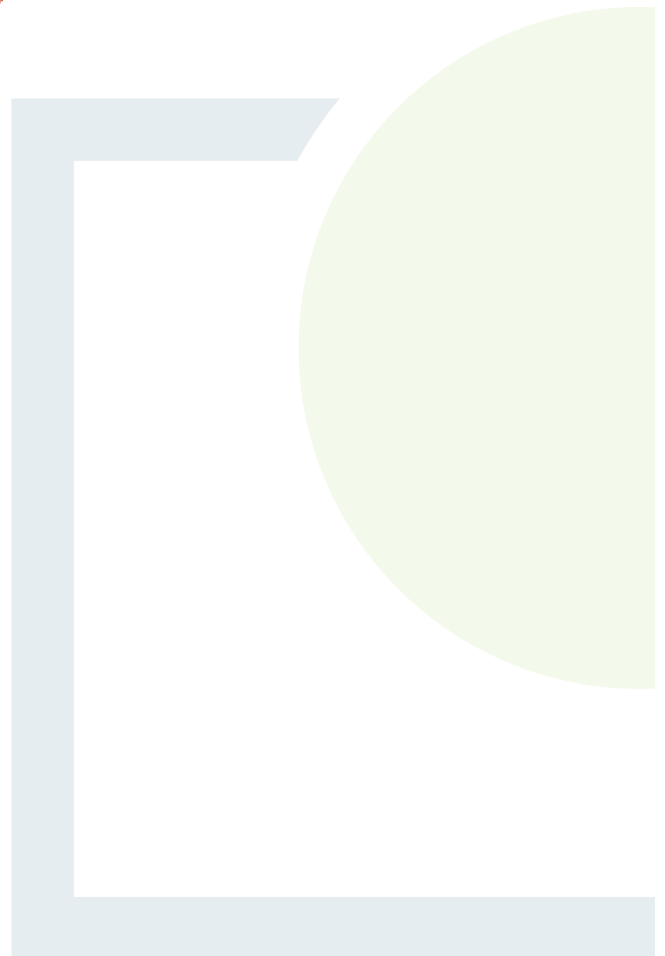


CONSULTANTS IN ENGINEERING,  
ENVIRONMENTAL SCIENCE & PLANNING

# APPENDIX 1

## Tier 1 Risk Assessment

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### 3. Source – Pathway - Receptor Scores

SPR	Maximum Score	SPR Value	Linkages	Normalised Score
1	$10 \times (3+5+2) \times 3 = 300$	$7 \times (2+1+2) \times 3 = 105$	leachate – s/water	35%
2	$10 \times (3+5+2) \times 3 = 300$	$7 \times (2+1+2) \times 1 = 35$	leachate - GWDTE	12%
3	$10 \times (3+5) \times 3 = 240$	$7 \times (2+1) \times 2 = 42$	leachate – private wells	18%
4	$10 \times (3+5) \times 3 = 240$	$7 \times (2+1) \times 1 = 21$	leachate - GWDTE	9%
5	$10 \times (3+5) \times 5 = 400$	$7 \times (2+1) \times 3 = 63$	leachate – aquifer	16%
6	$10 \times (3+5) \times 7 = 560$	$7 \times (2+1) \times 0 = 0$	leachate - PWS	0%
7	$10 \times (3+5) \times 3 = 240$	$7 \times (2+1) \times 3 = 63$	leachate – s/water	27%
8	$10 \times 2 \times 3 = 60$	$7 \times 2 \times 3 = 42$	leachate – s/water	<b>70%</b>
9	$10 \times 2 \times 3 = 60$	$7 \times 2 \times 1 = 14$	leachate - GWDTE	24%
10	$10 \times 3 \times 5 = 150$	$7 \times 1 \times 3 = 21$	landfill gas - humans	14%
11	$10 \times 5 \times 5 = 250$	$7 \times 1 \times 3 = 21$	landfill gas - humans	9%

Risk Classification	Range of Risk Scores
Highest Risk (Class A)	Greater than or equal to 70% for any individual SPR linkage
Moderate Risk (Class B)	Between 40-70% for any individual SPR linkage
Lowest Risk (Class C)	Less than or equal to 40% for any individual SPR linkage

<b>OVERALL RISK RATING</b>	<b>HIGH</b>
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